Title (en)

IDENTIFICATION AND CLASSIFICATION OF VIRUS PARTICLES IN TEXTURED ELECTRON MICROGRAPHS

Title (de)

IDENTIFIKATION UND KLASSIFIKATION VON VIRUSPARTIKELN IN TEXTURIERTEN ELEKTRONENMIKROGRAPHEN

Title (fr)

IDENTIFICATION ET CLASSIFICATION DE PARTICULES VIRALES DANS DES MICROGRAPHES ELECTRONIQUES TEXTURES

Publication

EP 1934860 B1 20140723 (EN)

Application

EP 06803556 A 20060912

Priority

- US 2006035758 W 20060912
- US 72580605 P 20051012

Abstract (en)

[origin: WO2007046985A2] The method is for the identification and characterization of structures in electron micrographs. Structures in a first image are selected. The structures have a first shape type deformed in a first direction. The selected structures are transformed to a second shape type different from the first shape type. The transformed structures of the second shape type are used to form a plurality of templates. A new structure in a second image is identified. The new structure has the first shape type. The second shape type structure of each template is deformed in the first direction. It is determined which template is a preferred template that best matches the new structure.

IPC 8 full level

G06K 9/00 (2006.01); **G06K 9/42** (2006.01); **G06K 9/46** (2006.01); **G06V 10/772** (2022.01)

CPC (source: CN EP KR US)

G06F 18/28 (2023.01 - CN US); **G06V 10/32** (2022.01 - KR); **G06V 10/40** (2022.01 - KR); **G06V 10/772** (2022.01 - EP US); **G06V 20/695** (2022.01 - CN EP US)

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)

WO 2007046985 A2 20070426; **WO 2007046985 A3 20071108**; **WO 2007046985 B1 20071221**; AU 2006302938 A1 20070426; AU 2006302938 B2 20111215; BR PI0617610 A2 20110726; CA 2621168 A1 20070426; CA 2621168 C 20140121; CN 101278303 A 20081001; CN 101278303 B 20151216; CN 104537337 A 20150422; CN 104537337 B 20180518; DK 1934860 T3 20140901; EP 1934860 A2 20080625; EP 1934860 A4 20120829; EP 1934860 B1 20140723; ES 2498796 T3 20140925; HK 1118926 A1 20090220; JP 2009511046 A 20090319; JP 5344922 B2 20131120; KR 101228271 B1 20130130; KR 20080060219 A 20080701; MY 148115 A 20130228; PL 1934860 T3 20141128; PT 1934860 E 20140915; RU 2008113161 A 20091120; RU 2409855 C2 20110120; SG 166120 A1 20101129; SI 1934860 T1 20141128; US 2008212880 A1 20080904; US 8238627 B2 20120807; ZA 200801551 B 20081231

DOCDB simple family (application)

US 2006035758 W 20060912; AU 2006302938 A 20060912; BR PI0617610 A 20060912; CA 2621168 A 20060912; CN 200680033492 A 20060912; CN 201410781822 A 20060912; DK 06803556 T 20060912; EP 06803556 A 20060912; ES 06803556 T 20060912; HK 08112652 A 20081119; JP 2008535537 A 20060912; KR 20087004171 A 20060912; MY PI20080494 A 20060912; PL 06803556 T 20060912; PT 06803556 T 20060912; RU 2008113161 A 20060912; SG 2010071959 A 20060912; SI 200631835 T 20060912; US 6551406 A 20060912; ZA 200801551 A 20080215